DOCUMENT RESUME

ED 233 205 CE 036 695

TITLE	The Chainstitch Machine. Module 18.
INSTITUTION	South Carolina State Dept. of Education, Columbia. Office of Vocational Education.
PUB DATE	83
NOTE	8p.; For related documents, see CE 034 361, CE 036 656, and CE 036 679-697.
PUB TYPE	Guides - Classroom Use - Materials (For Learner) (051)
EDRS PRICE	MF01/PC01 Plus Postage.
DESCRIPTORS	Behavioral Objectives; Check Lists; Clothing; Clothing Instruction; Learning Activities; Learning Modules; Needle Trades; *Occupational Home Economics; Postsecondary Education; Secondary Education; *Sewing Instruction; *Sewing Machine Operators; Student Evaluation
IDENTIFIERS	*Sewing Machines

ABSTRACT

This module on the chainstitch machine, one in a series dealing with industrial sewing machines, their attachments, and operation, covers one topic: performing special operations on the chainstitch machine. These components are provided: an introduction, directions, an objective, learning activities, student information, a student self-check, and a check-out activity. An instructor's final checklist for evaluating the student's performance is attached. (YLB)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

ED233205

THE

CHAINSTITCH

MACHINE

U.S. DEPARTMENT OF EDUCATION
NATIONAL INSTITUTE OF EDUCATION
EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

✓ This document has been reproduced as received from the person or organization originating it.

☐ Minor changes have been made to improve reproduction quality.

• Points of view or opinions stated in this document do not necessarily represent official NIE position or policy.

"PERMISSION TO REPRODUCE THIS MATERIAL HAS BEEN GRANTED BY

E Knight

TO THE EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)."

CE036695

SOUTH CAROLINA DEPARTMENT OF EDUCATION

Dr. Charlie G. Williams, State Superintendent of Education

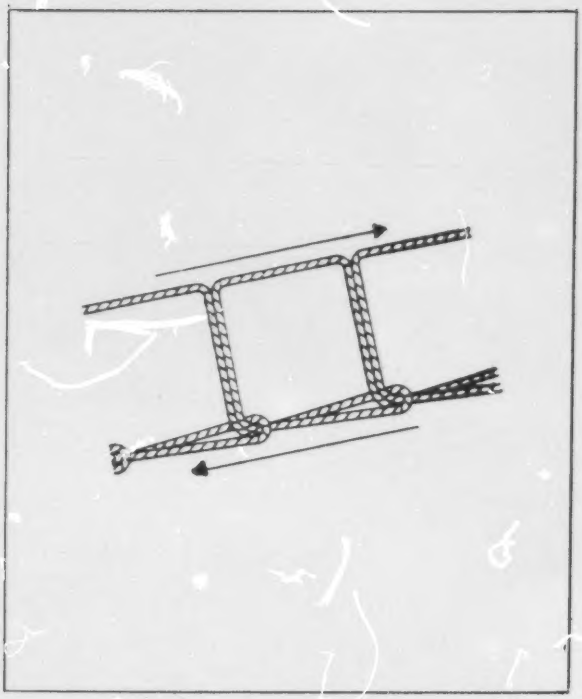
Division of Instruction
Sidney B. Cooper, Deputy Superintendent

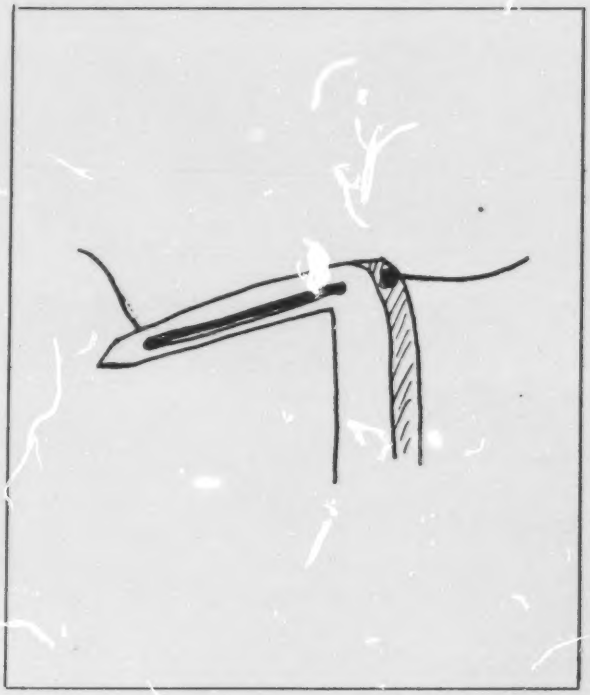
Office of Vocational Education
Dr. Moody M. Oswald, Jr., Director

Vocational Curriculum Development Section
Dr. Robert T. Benson, Chief Supervisor

South Carolina Department of Education: An Equal Opportunity Agency
Columbia, South Carolina 29201

Copyright 1983





PERFORMING SPECIAL OPERATIONS ON THE CHAINSTITCH MACHINE

INTRODUCTION

The two-thread chainstitch machine is used when elasticity and strength are required to join two or more pieces of material. The stitch can be raveled, but not as easily as the single thread chainstitch. The double chain is formed by the needle thread and the looper thread (the lower thread) being laced together on the underside of the material.

DIRECTIONS

Read the Objective. If you think you can accomplish this Objective now, turn to the Check-Out Activity and follow the instructions.

If you feel you are not able to accomplish this Objective now, look at the Learning Activities. Begin the Learning Activities and as soon as you feel you are ready, turn to the Check-Out Activity and follow the instructions.

OBJECTIVE

Given a chainstitch machine, thread, and long pieces of fabric, sew a chainstitch seam. The seams should be straight and the fabric edges even.

LEARNING ACTIVITIES

1. READ Student Information, THE CHAINSTITCH MACHINE.
2. VIEW a teacher demonstration on operating the chainstitch machine.
3. COMPLETE Student Self-Check, THE CHAINSTITCH MACHINE.
4. TURN to the Check-Out Activity and follow the instructions.

STUDENT INFORMATION

The Chainstitch Machine

The two-thread chainstitch machine is used when elasticity and strength are required to join two or more pieces of material.

An interesting feature of the two-thread or multi-thread chainstitch machine is that the stitches may be raveled out very easily. At the same time, however, this machine offers movement in the seam without breaking. Even a skipped stitch will not allow the seam to come apart (Figure 1).

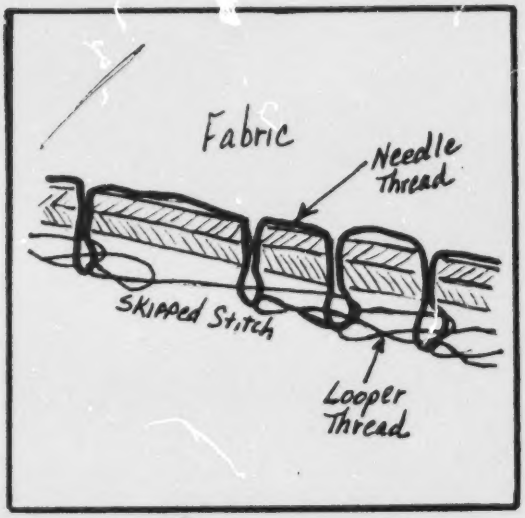


Figure 1

As seen in Figure 1, the top stitch (or needle thread) looks like a plain straight stitch while the bottom stitch (looper thread) looks like a combination of loops.

Because of this two-way action to form the stitch, the chainstitch machine does not require a bobbin. In its place is a looper which has thread fed through the hole at the pointed end (Figure 2).

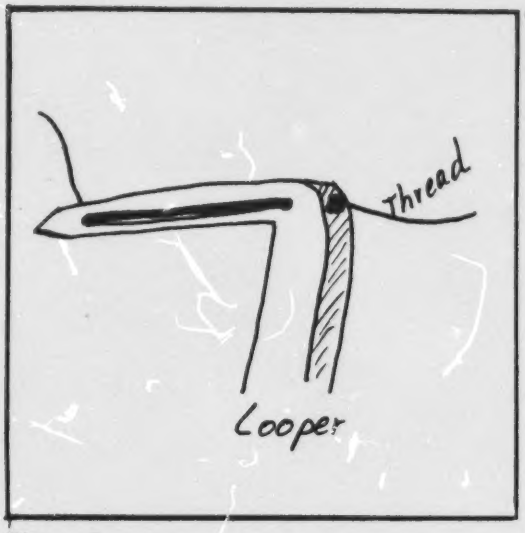
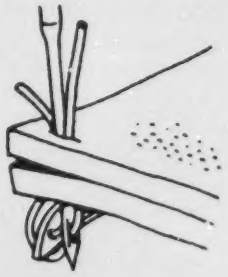


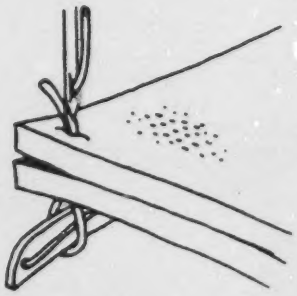
Figure 2

While the needle is going up and down to form the regular straight stitch, the looper is going back and forth to catch the needle thread to make the chain. The thread does not lock. The three steps below illustrate the movement of the needle and the looper.

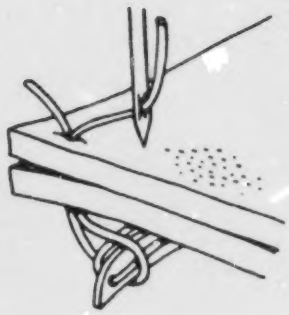
Step 1



Step 2



Step 3



In order for this process to take place, two spools of thread are needed, one for the looper and one for the needle. The top part of the machine is threaded very easily (Figure 3).

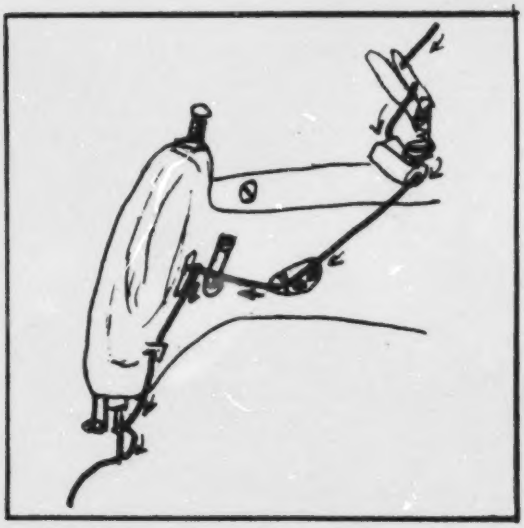


Figure 3

Threading the bottom part of the machine is more complicated. Figure 4 shows the threading of the looper as you look down into the base of the machine.

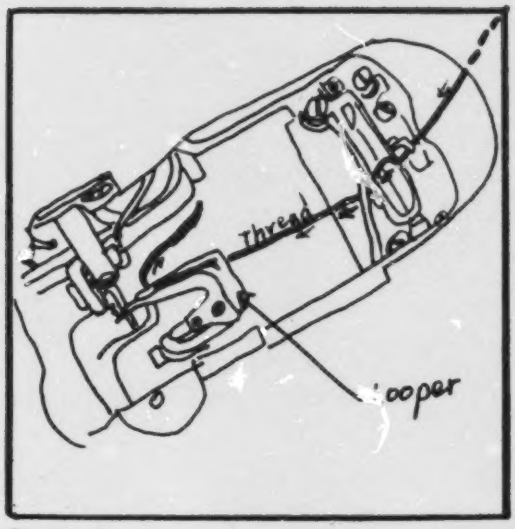


Figure 4

STUDENT SELF-CHECK

The Chainstitch Machine

Write the answers to the following statements on a separate sheet of paper.

1. The stitch is the same on both sides. (True or false)

2. The chainstitch machine has a bobbin. (True or false)

3. The chainstitch machine has a looper. (True or false)

4. We use the chainstitch machine more than the lockstitch machine. (True or false)

5. The chainstitch stretches to allow some elasticity in the seam. (True or false)

6. The chainstitch machine can have more than one needle. (True or false)

CHECK-OUT ACTIVITY

The statement below explains the activity you must complete in order to finish this module. After you go through the activity, your instructor will rate your performance using the Instructor's Final Checklist, PERFORMING SPECIAL OPERATIONS ON THE CHAINSTITCH MACHINE.

Your instructor will provide you with a chainstitch machine, thread, and long pieces of fabric. Sew a straight chainstitch seam with fabric edges even. There should not be skipped or broken stitches.

Student _____

Date _____

Instructor's Final Checklist

Check the student's performance in the following elements of performing special operations on the chainstitch machine.

Place an X in the appropriate box indicating not accomplished, partially accomplished, or fully accomplished. If, because of special circumstances, the item was impossible to complete, place an X in the "Not Applicable" box.

Performance Level: All items must receive a rating of FULLY ACCOMPLISHED (or Not Applicable). If any items are rated Not Accomplished or Partially Accomplished, the student and instructor will discuss this and decide which learning activities must be repeated.

	Student Performance			
	Not Applicable	Not Accomplished	Partially Accomplished	Fully Accomplished
The student:				
a. Made seams on the chainstitch machine which were uniform in width.	( )	( )	( )	( )
b. Had no skipped stitches on the seams.	( )	( )	( )	( )
c. Sewed seams with ample stretch.	( )	( )	( )	( )